

[Released on the Web]

R20TS0701EJ0100

Rev.1.00

RX Family

May. 16, 2021

Firmware Update Module Using Firmware Integration Technology Rev.100

Overview

RX family firmware update module using Firmware Integration Technology (hereafter called Firmware Update FIT module) Rev1.00 is now released on the web. This product is available free of charge.

1. Features

Firmware Update FIT module is a driver software for reprogramming RX family on-chip flash memory to update customer software on a device.

This driver provides a means for updating firmware, thus greatly reducing the time required for designing, verifying, and implementing the firmware update function.

Firmware Update FIT module will be extended to other models in the future. Therefore, you can easily construct a firmware update ecosystem among the RX family product groups.

2. Supported Devices

RX231 group

RX65N group

3. Operating Environment

Item	Description
Integrated Development Environment	e2 studio 2020 07 from Renesas Electronics Corporation
C compiler	C/C++ Compiler for RX Family V3.02.00 from Renesas Electronics Corporation Compiler option: Add the following option to the default integrated development environment setting. -lang = c99
Endianness	Little-endian
Revision of the module	Rev.1.00
Board used	Renesas Starter Kit+ for RX65N (Part number: RTK500565NSxxxxxBE) Renesas Starter Kit+ for RX231 (Part number: R0K505231SxxxBE)
USB serial conversion board	Pmod USBUART (from DIGILENT ) <a href="https://reference.digilentinc.com/reference/pmod/pmodusbuart/start">https://reference.digilentinc.com/reference/pmod/pmodusbuart/start</a>

4. Obtaining the Program

Obtain the package from the URL below.

RX family firmware update module using Firmware Integration Technology

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<https://www.renesas.com/search?keywords=R01AN5824>

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	May.16.21	-	First edition issued

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